

REMARKS/ARGUMENTS

Reconsideration and allowance of this application are respectfully requested. Currently, claims 1-21 are pending in this application.

Rejection Under 35 U.S.C. §102:

Claims 1-21 were rejected under 35 U.S.C. §102(e) as allegedly being anticipated by Porter et al (U.S. '023, hereinafter "Porter"). Applicant respectfully traverses this rejection.

For a reference to anticipate a claim, each element must be found, either expressly or under principles of inherency, in the reference. Porter fails to disclose each element of the claimed invention. For example, Porter fails to disclose resource locators of respective subsystems being arranged to communicate signalling directly with each other. This feature is supported by, for example, page 1, line 32 to page 2, line 9 of the originally-filed specification.

Col. 2, line 55 to Col. 3, line 5 (specifically identified by the Office Action) of Porter teaches a system having a single network resource manager, whereas the invention provides a system with a plurality of resource managers. The present invention modularizes the resource management of the system so that it can be easily expanded without increasing the overhead required to communicate new subsystems with any central resource manager. In contrast, col. 3, lines 50 to 62 of Porter refers to a nodal resource manager managing a domain of resources available to each resource node and a network resource manager whose domain is

all connective resources of the network. In Porter, only the network resource manager can reconfigure the network and allocate additional resources to a nodal resource manager, and the nodal resource manager must request additional resources from a network resource manager. The network resource manager of Porter will therefore suffer a disadvantage when the network is expanded as it will experience an increase in overhead communications between each of the nodal resource managers as the number of nodal resource managers is increased. This is completely different from the system proposed by the invention in which resource locators communicate directly with one another. The present invention therefore removes any need for a centralized “network” resource manager as in Porter.

Moreover, nothing in Porter would lead one of ordinary skill in the art to modify each nodal resource manager to render it capable of advertising its resources directly to other nodal resource managers in the manner of the invention. The present invention thus completely removes the need for a central resource manager, i.e., for a “network” resource manager to be present. The invention provides a system which is more fully scalable in that by providing resource managers which are able to directly communicate their available resources with each other, there is no need to increase the overhead between a single network resource manager and each nodal resource manager such as would occur in the Porter system.


BEDDUS et al.
Application No. 09/787,198
November 17, 2004

Conclusion:

Applicant believes that this entire application is in condition for allowance and respectfully requests a notice to this effect. If the Examiner has any questions or believes that an interview would further prosecution of this application, the Examiner is invited to telephone the undersigned.

Respectfully submitted,

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